

Maternal Child Health Update

September 27, 2016

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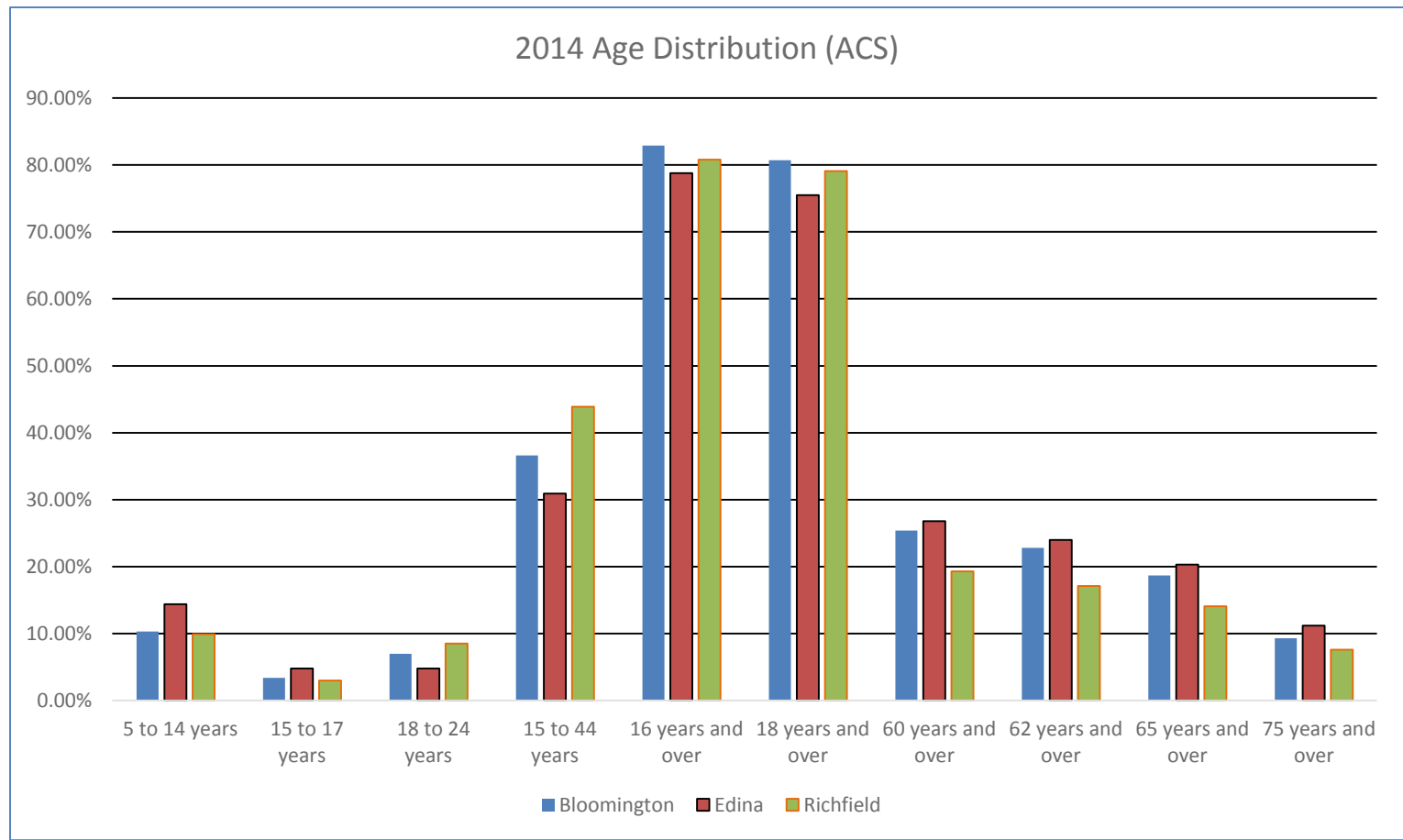
Public Health
Prevent. Promote. Protect.
Bloomington Public Health Division



CITY OF
BLOOMINGTON
MINNESOTA

Demographics

- Essential to know 'who' we're catering to

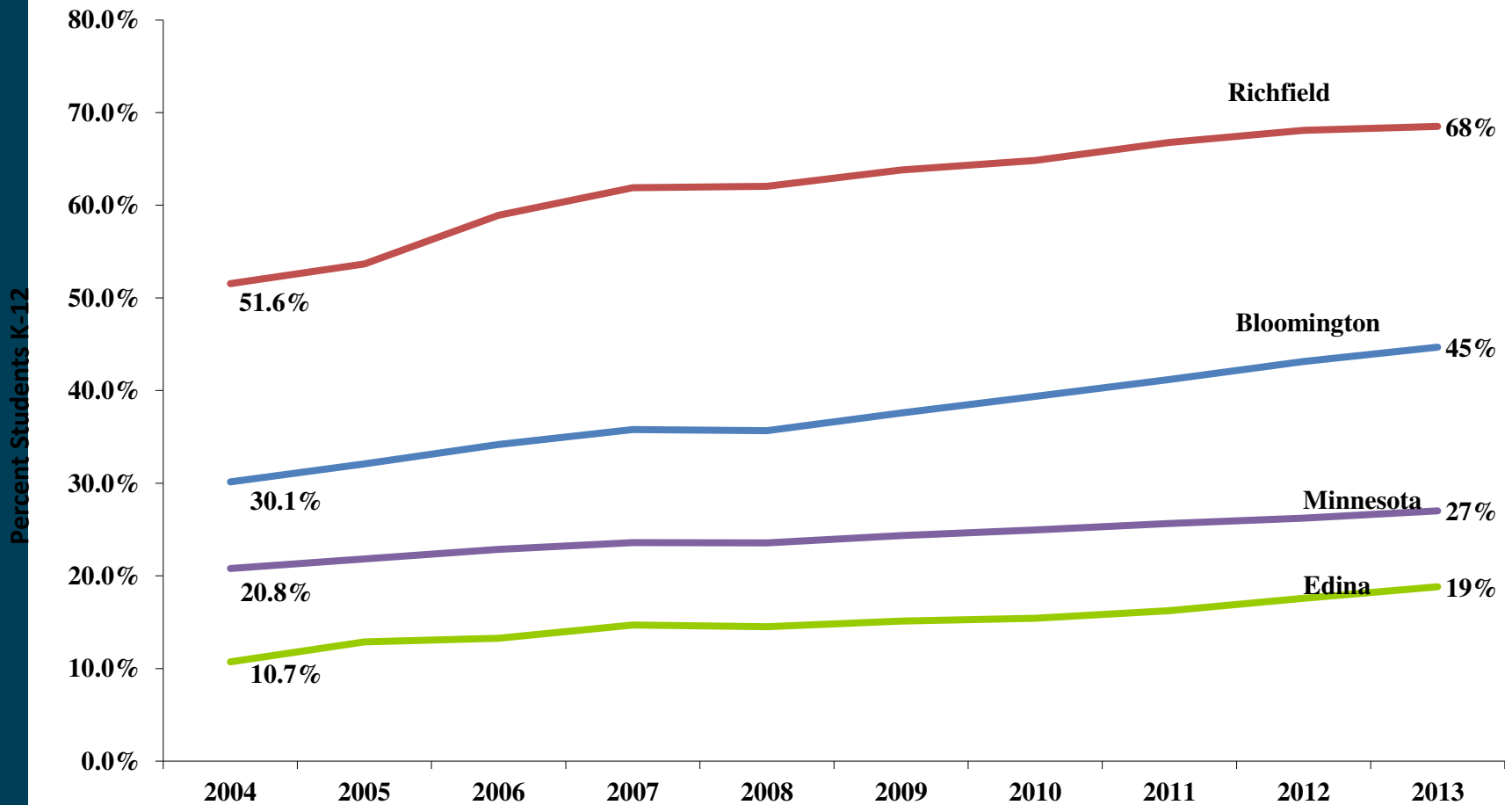


Total Population Bloomington: 85,136 Edina: 48,940 Richfield 35,877

Racial Breakdown (2014 CENSUS)

	BLOOMINGTON	EDINA	RICHFIELD
Population of one race:	82247	47828	34531
All other two race combinations	609	75	63
American Indian and Alaska Native	376	312	261
Asian alone	5473	3257	2298
Black or African American	6536	1058	3710
Black or African American; American Indian and Alaska Native	75	14	146
Native Hawaiian and Other Pacific Islander	67	0	56
Population of four or more races	112	0	0
Population of three races	171	136	93
Population of two or more races:	2889	1112	1346
Population of two races:	2606	976	1253
Some other race	2133	699	2255
Two races excluding some other race, and three or more races	2432	1076	1299
Two races including some other race	457	36	47
White	67662	42502	25951
White; American Indian and Alaska Native	217	149	204
White; Asian	510	573	200
White; Black or African American	1195	165	640
Total:	85136	48940	35877

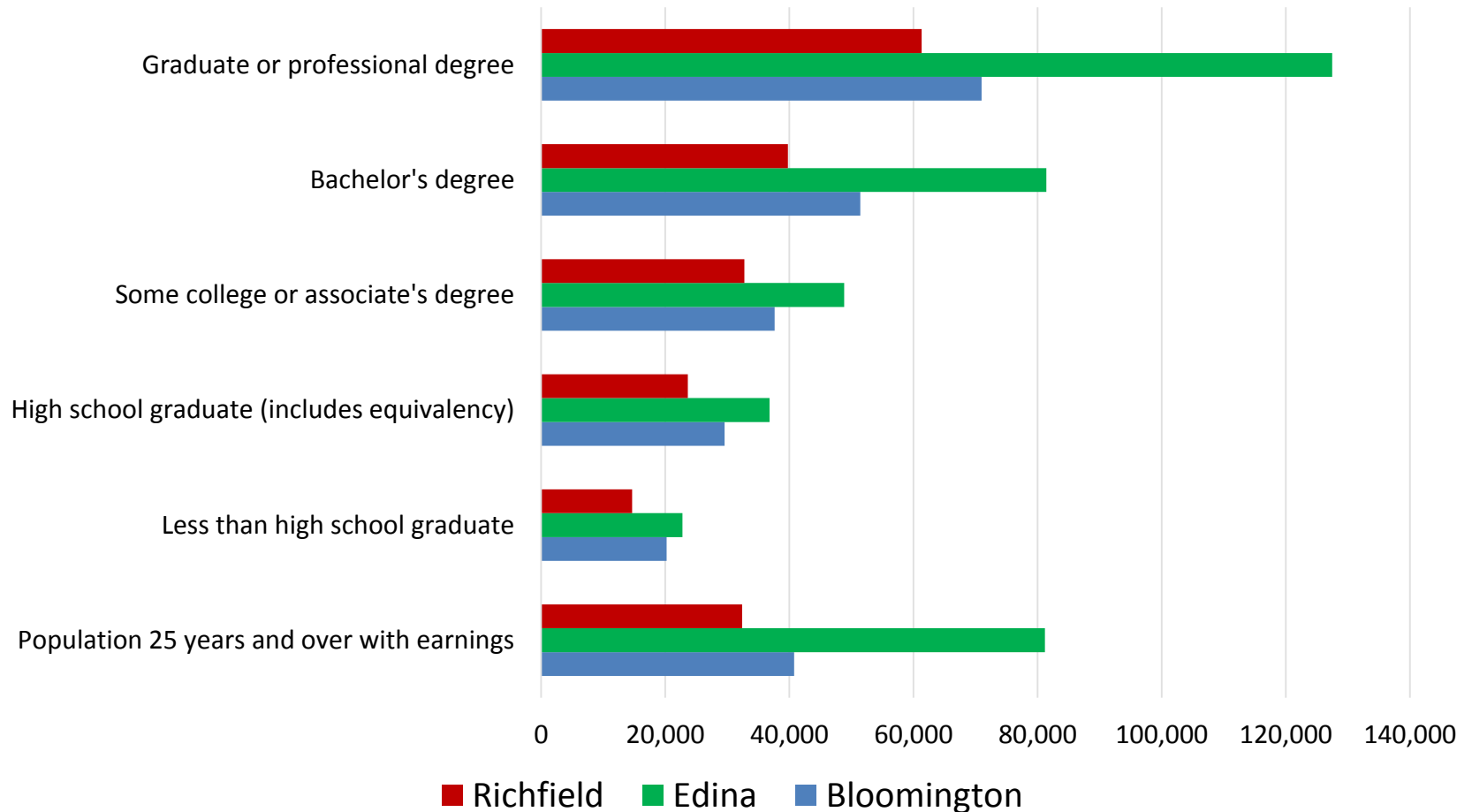
Students in Racial Minority



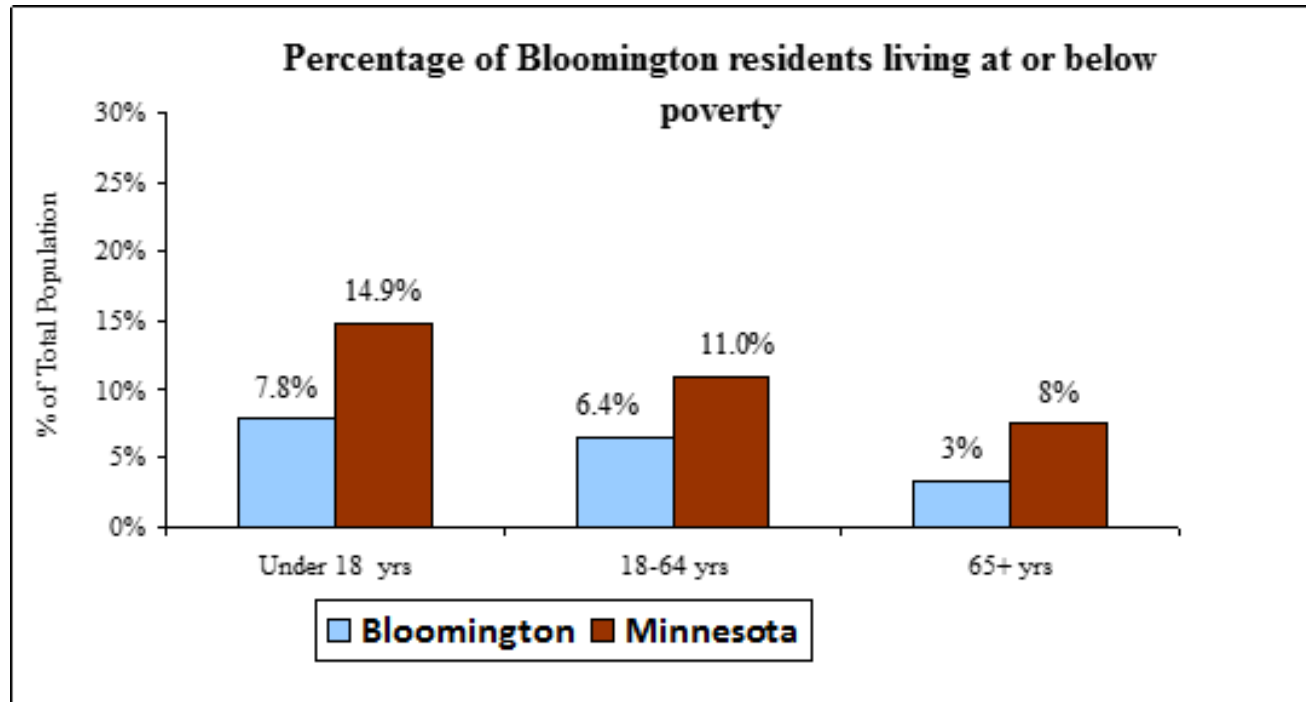
Source: Minnesota Department of Education 2014

INCOME 2014 (ACS)

MEDIAN (Inflation Adjusted) EARNINGS IN THE PAST 12 MONTHS

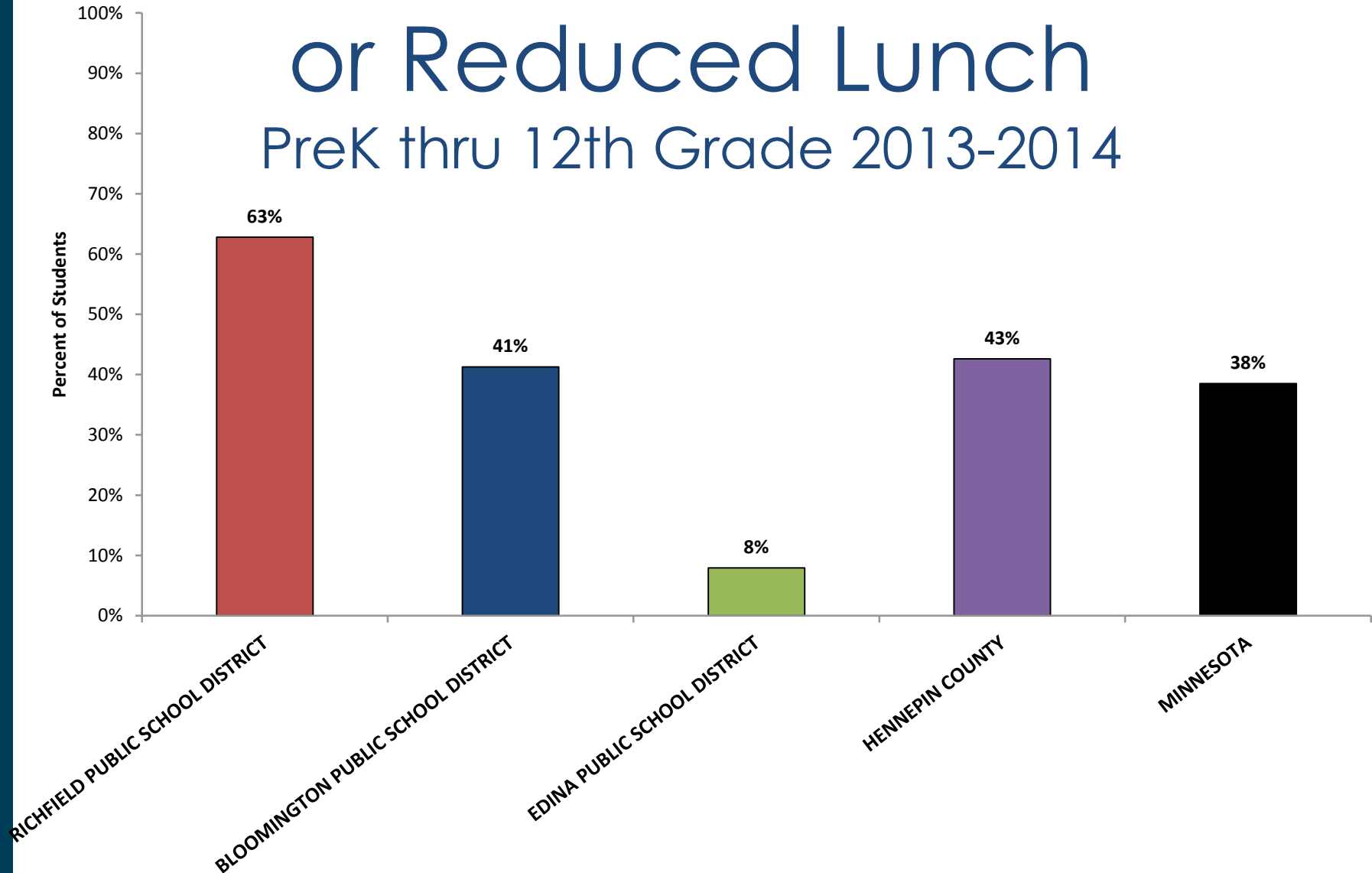


Living At or Below Poverty



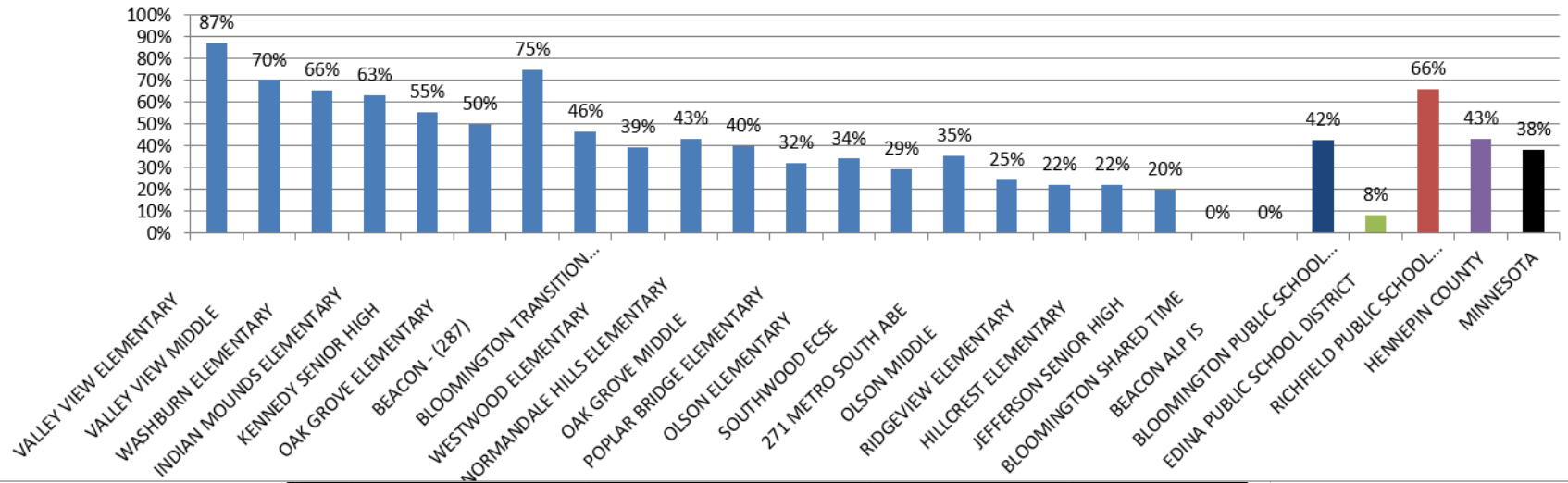
Students Enrolled in Free or Reduced Lunch

PreK thru 12th Grade 2013-2014

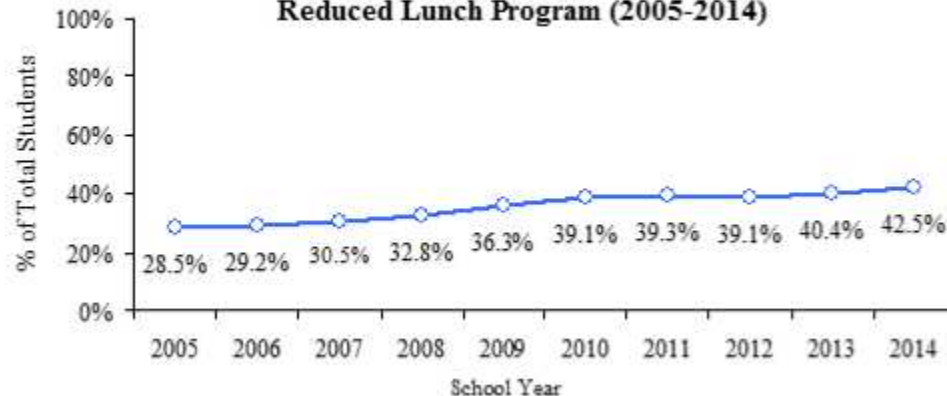


Bl. Free & Reduced Lunch

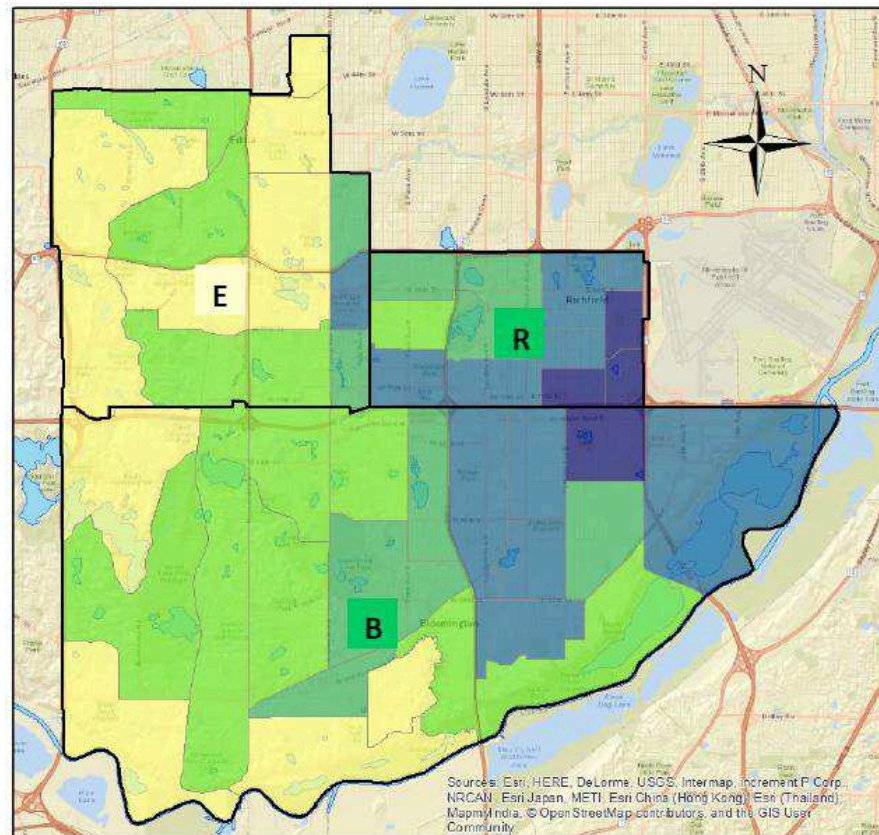
**Percent of Students Enrolled in Free or Reduced Lunch
PreK thru 12th Grade 2014-2015**



**Percentage of Bloomington Students Eligible for Free and
Reduced Lunch Program (2005-2014)**



Areas of Concentrated Poverty



Legend

Bloomington, Edina and Richfield

Percent of Total Population Living at 185% and Below Poverty

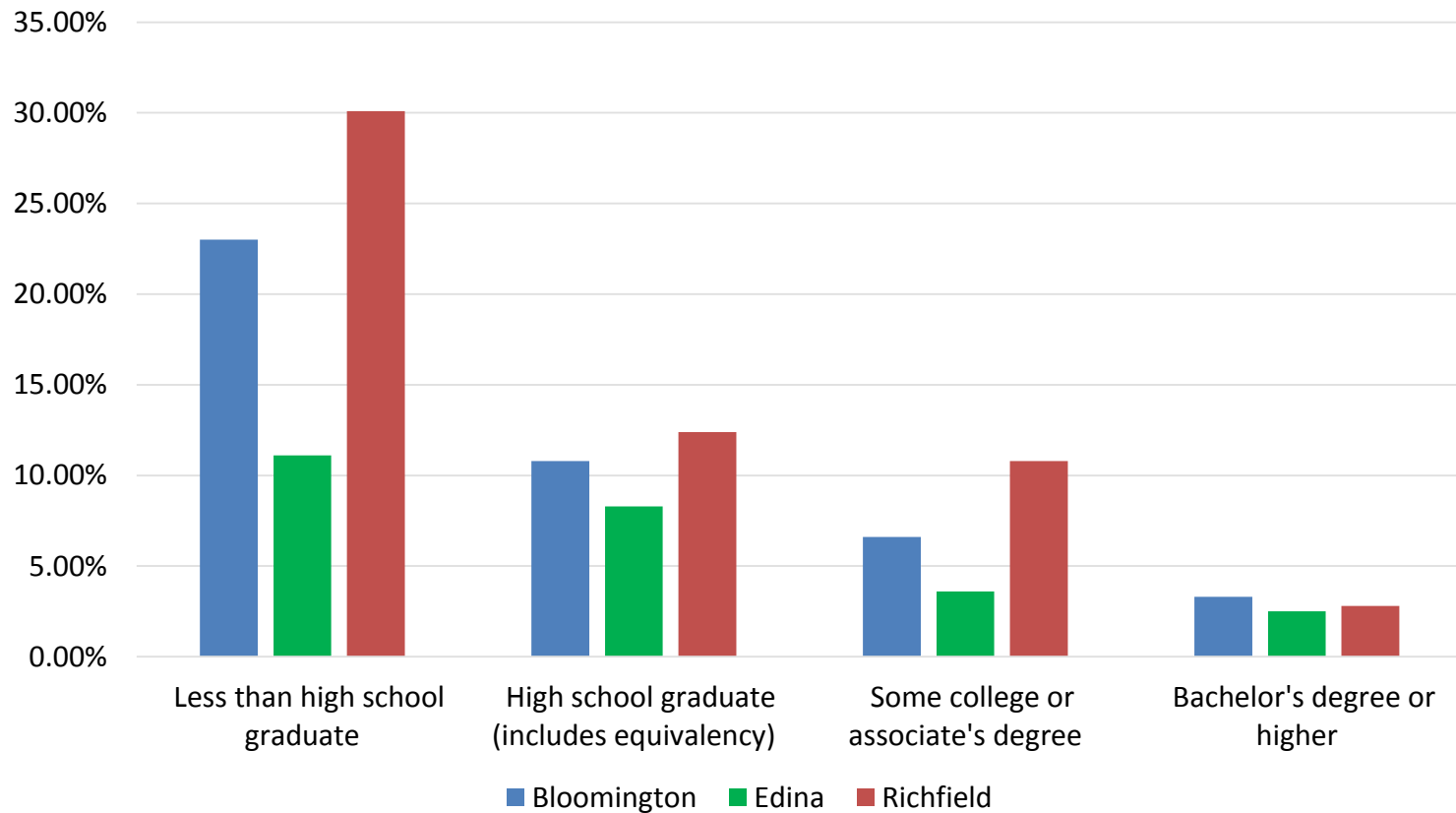
- Less than 10%
- 10%-20%
- 20%-30%
- 30%-40%
- 40% and Greater

0 0.75 1.5 3 Miles



POVERTY RATE FOR >25 yr olds

BY EDUCATIONAL ATTAINMENT LEVEL



Examples of Health Inequities

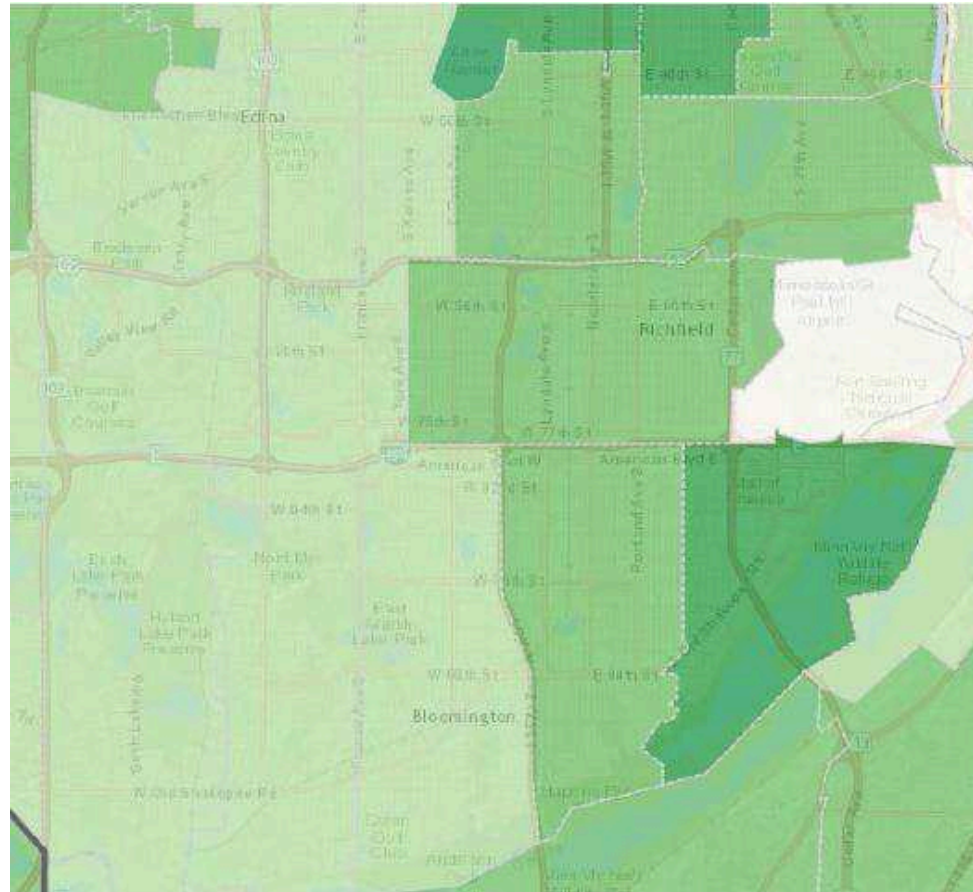
National:

- Mortality rate for infants of mothers with less than 12 years of education was 1.5 times higher than for those of mothers with 13 + years of education
- Pacific Islanders, American Indians, Hispanics/Latinos and People of color are all significantly more likely to have been diagnosed with diabetes compared to White counterparts.
- African-American and Latina women are more likely to be diagnosed with later-stage breast cancer.

Minnesota:

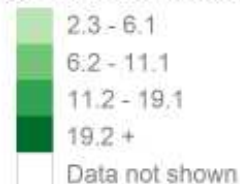
- In Minnesota, an African American or Native American infant has more than twice the chance of dying in the first year of life as a white baby.
- Data collected reports 44 percent of Asians and 41 percent of whites receive optimal diabetes care, compared to 27 percent of blacks and 25 percent of American Indians
- Immigrants from African countries — particularly those from Somali — had some of the lowest health-care outcomes rates statewide.

Asthma Hospitalization Rates

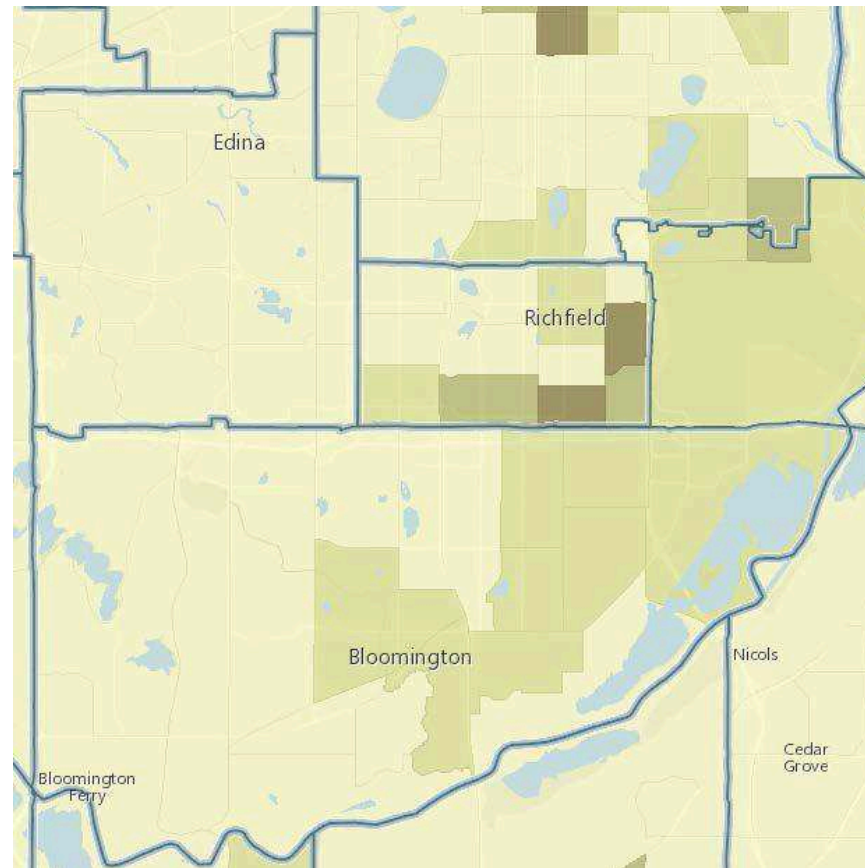


● ZIP code (Metro Area), 2009-2013

Age-Adjusted Rate per 10,000



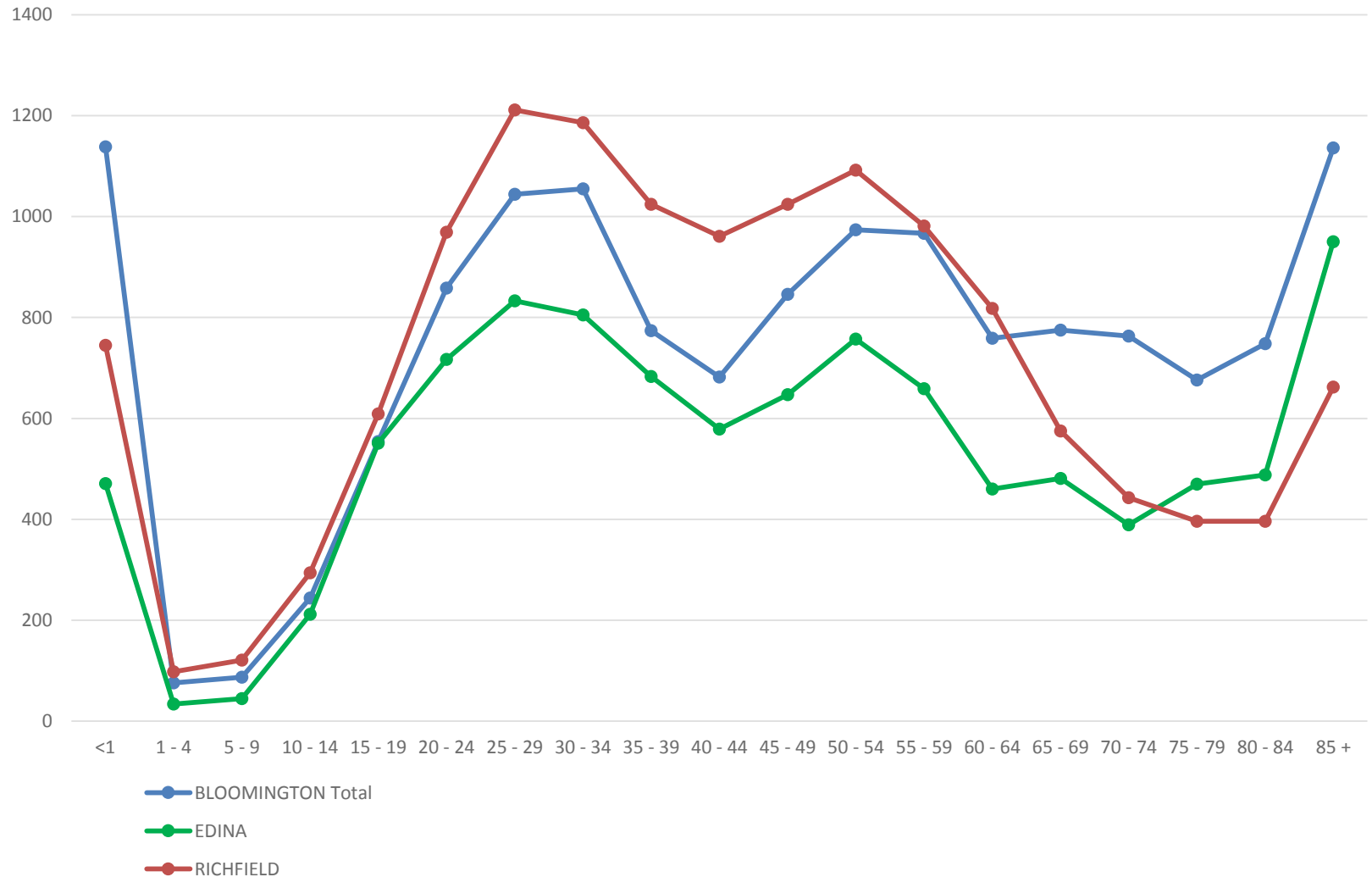
Uninsured Population



Uninsured Population, Percent by Tract, ACS 2010-14



2014 Inpatient Hospitalization by age. (Note, Includes live Births)



BER MHA 2014

2015 Vital Statistics: **Birth Data**

2015 Births per city		
	Frequency	Percent
BLOOMINGTON	994	47.1
EDINA	537	25.5
RICHFIELD	578	27.4
Total	2109	100

Birth mother's race/ ethnicity breakdown

	Mother's race/ non-Hispanic						Total
	Non-hispanic White	Non-hispanic Black	Non-hispanic Native American	Non-hispanic Asian	Any hispanic	Other	
BLOOMINGTON	591	181	5	80	122	15	994
EDINA	374	33	1	109	15	5	537
RICHFIELD	306	83	8	55	120	6	578
Total	1271	297	14	244	257	26	2109

Birth Mother's Age & City

	<15-19	20+	Total
BLOOMINGTON	26	968	994
EDINA	2	535	537
RICHFIELD	19	559	578
Total	47	2062	2109

Birth Mother's Education Level

Mother's education <HS, HS, College			
CITY	EDUCATION	Frequency	Percent
BLOOMINGTON	< HS	116	11.7
	HS Grad	142	14.3
	Some College or Grad	724	72.8
	Total	982	98.8
	Unknown	12	1.2
	Total	994	100.0
EDINA	< HS	11	2.0
	HS Grad	30	5.6
	Some College or Grad	488	90.9
	Total	529	98.5
	Unknown	8	1.5
	Total	537	100.0
RICHFIELD	< HS	87	15.1
	HS Grad	94	16.3
	Some College or Grad	389	67.3
	Total	570	98.6
	Unknown	8	1.4
	Total	578	100.0

Origin of Mother's Birth

CITY	ORIGIN	Frequency	Cumulative Percent
BLOOMINGTON	US-born	675	67.9
	Foreign	319	100.0
	Total	994	
EDINA	US-born	370	68.9
	U.S. Territory	2	69.3
	Foreign	165	100.0
	Total	537	
RICHFIELD	US-born	373	64.5
	U.S. Territory	1	64.7
	Foreign	204	100.0
	Total	578	

Adequacy of prenatal care

Count					
		BLOOM	EDINA	RICHFIELD	TOTAL
Adequacy of prenatal care index	Intensive	189	116	102	407
	Adequate	534	303	327	1164
	Intermediate	173	65	87	325
	Inadequate	32	23	22	77
	No Care	5	1	4	10
Total		933	508	542	1983

Adequacy of prenatal care index / Race for BER 2015

		Intensive	Adequate	Intermediate	Inadequate	No Care	Total
Non-hispanic White		266	764	141	31	4	1206
Non-hispanic Black		44	123	81	18	2	268
Non-hispanic Native American		2	11	0	0	0	13
Non-hispanic Asian		52	125	42	11	1	231
Any hispanic		40	128	56	14	3	241
Other		3	13	5	3	0	24
Total		407	1164	325	77	10	1983

Preterm & LBW Babies

Preterm, Single Babies Residing in Bloomington, Edina or Richfield by Race

PRETERM			CITY			Total
			BLOOMINGTON	EDINA	RICHFIELD	
Race	White	Count	34	23	13	70
		% of Total	22.2%	15.0%	8.5%	45.8%
	Black	Count	21	3	9	33
		% of Total	13.7%	2.0%	5.9%	21.6%
	Asian	Count	8	9	2	19
		% of Total	5.2%	5.9%	1.3%	12.4%
	Hispanic	Count	17	0	9	26
		% of Total	11.1%	0.0%	5.9%	17.0%
	Unknown	Count	1	2	2	5
		% of Total	0.7%	1.3%	1.3%	3.3%
Total		Count	81	37	35	153
		% of Total	52.9%	24.2%	22.9%	100.0%

Low Birth Weight, Single Babies Residing in Bloomington, Edina or Richfield by Race

LOW BIRTH WEIGHT			CITY			Total
			BLOOMINGTON	EDINA	RICHFIELD	
Race	White	Count	23	10	10	43
		% of Total	24.2%	10.5%	10.5%	45.3%
	Black	Count	12	1	6	19
		% of Total	12.6%	1.1%	6.3%	20.0%
	Asian	Count	5	6	1	12
		% of Total	5.3%	6.3%	1.1%	12.6%
	Hispanic	Count	9	2	8	19
		% of Total	9.5%	2.1%	8.4%	20.0%
	Unknown	Count	0	2	0	2
		% of Total	0.0%	2.1%	0.0%	2.1%
Total		Count	49	21	25	95
		% of Total	51.6%	22.1%	26.3%	100.0%

Source of Hospital Payment

CITY		Frequency	Percent
BLOOMINGTON	Medicaid	343	34.5
	Private insurance	590	59.4
	Self-pay	24	2.4
	Other government program	1	0.1
	Other	34	3.4
	Unknown	2	0.2
	Total	994	100.0
EDINA	Medicaid	58	10.8
	Private insurance	469	87.3
	Self-pay	5	0.9
	Other	3	0.6
	Unknown	2	0.4
	Total	537	100.0
RICHFIELD	Medicaid	208	36.0
	Private insurance	340	58.8
	Self-pay	10	1.7
	Other government program	1	0.2
	Other	19	3.3
	Total	578	100.0

Community Needs

1. Decrease health disparities
2. Access to health care and support services for low income families
3. Increase educational attainment
4. Decrease unplanned pregnancies




Public Health MCH Services

- WIC + peer breastfeeding support
- SAGE women's clinic
- Immunizations/flu shots
- Infectious disease control
- Home visiting
- Early childhood development screening
- Asthma home assessment
- Elevated blood lead follow-up
- Health education
- Car seat safety
- Pregnancy Free Club



WIC highlights

	WIC Health Indicators Summary					
	CHB					
	MINNESOTA			HENNEPIN-BLOOMINGTON		
Infants' Health Indicator	2012 (Ref Yr)	2014 (Cur Yr)	Percent Change	2012 (Ref Yr)	2014 (Cur Yr)	Percent Change
Breastfeeding						
Initiation	76.0%	80.0%	5%	83.0%	88.2%	6%
Duration 1 month	57.7%	61.7%	7%	71.7%	73.4%	2%
Duration 3 months	43.2%	47.4%	10%	58.2%	60.7%	4%
Duration 6 months	32.1%	34.9%	9%	45.3%	46.8%	3%
Duration 12 months	13.6%	17.8%	31%	20.2%	27.9%	38%

Women's Health Indicator	2012 (Ref Yr)	2015 (Most Recent Yr Available)	Percent Change	2012 (Ref Yr)	2015 (Most Recent Yr Available)	Percent Change
Anemia (Low Hemoglobin)						
Prenatal Any Trimester	10.2%	13.4%	31%	13.0%	12.1%	-7%
Prenatal Third Trimester	26.6%	33.3%	25%	32.3%	29.1%	-10%
Postpartum	31.0%	34.2%	10%	27.7%	30.0%	8%
Weight Status Pre-pregnancy						
Overweight and Obese (BMI > 25)	58.2%	58.5%	1%	57.2%	53.8%	-6%

Children's Health Indicator	2012 (Ref Yr)	2015 (Most Recent Yr Available)	Percent Change	2012 (Ref Yr)	2015 (Most Recent Yr Available)	Percent Change
Anemia (Low Hemoglobin)						
0 to 5 years	10.9%	12.9%	18%	12.2%	10.2%	-16%
Weight Status						
Overweight and Obese (≥ 85th percentile)						
2 to 5 years	28.7%	27.9%	-3%	25.7%	22.9%	-11%
Obese (≥ 95th percentile)						
2 to 5 years	12.7%	12.2%	-4%	11.7%	11.5%	-2%

Now What?

- Breastfeeding Support Groups
- Community business survey about infant feeding
- Funding to support our work
- Community Health Assessment